

WHAT IS CLAIMED IS:

1. A bumper spoiler to be mounted on a bumper of a vehicle, comprising:

a bumper spoiler main body section to be disposed to orient  
5 toward a roadbed on which the vehicle travels, when mounted on the bumper;

a plurality of insert/mount sections each formed on a back of the spoiler main body section integrally therewith to protrude rearward of the vehicle; and

10 a plurality of fixing sections integrally formed on the plurality of insert/mount sections respectively and each protruding from a position between the bumper spoiler main body section and a rear end of each of the insert/mount section to be fixed to the bumper.

15 2. The bumper spoiler according to claim 1, wherein the plurality of fixing sections are capable of being fixed in the vicinities of a plurality of mount holes formed in the bumper.

20 3. The bumper spoiler according to claim 1, wherein the plurality of fixing sections have substantially the same cross-section in a longitudinal direction of the spoiler main body section.

25 4. The bumper spoiler according to claim 1, further

comprising a fitting base section extending along the spoiler main body section;

wherein the fitting base section is integrally formed with the plurality of insert/mount sections.

5

5. The bumper spoiler according to claim 1, wherein the plurality of insert/mount sections includes at least a insert/mount section having a fastening member mount portion for attaching a fastening member.

10

6. The bumper spoiler according to claim 5, wherein the fastening member mount portion is formed at a position where the fastening member attached to the fastening member mount portion does not interfere with the fixing section.

15

7. The bumper spoiler according to claim 5, wherein the fastening member mount portion is a fastening member insert hole into which the fastening member can be inserted.

20

8. The bumper spoiler according to claim 1, wherein the plurality of insert/mount sections includes an insert/mount section with a fastening member insert hole for attaching a fastening member and an insert/mount section without the fastening member insert hole.

25

9. The bumper spoiler according to claim 8, wherein the fastening member insert hole is formed at a position where the fastening member attached to the fastening member mount hole does not interfere with the fixing section.

5

10. The bumper spoiler according to claim 5, wherein the insert/mount section with a fastening member insert hole and the insert/mount section without the fastening member insert hole are arranged alternately with each other.

10

11. The bumper spoiler according to claim 1,

wherein the spoiler main body section is formed from soft, flexible material which does not undergo any deformation in excess of a limit when subjected to air resistance developing during the course of travel of a vehicle;

15

the plurality of insert/mount sections are formed from material which is hard and higher in rigidity than a material of the spoiler main body section; and

the back of the spoiler main body section and extremity base portions of the plurality of insert/mount sections are joined integrally with each other.

20

12. The bumper spoiler according to claim 1,

wherein the spoiler main body section and the insert/mount sections are made of at least one of rubber and a thermoplastic

25

elastomer material.

13. The bumper spoiler according to claim 1, further comprising: a core material made of a material higher in rigidity and expansion-and-contraction resistance than the spoiler main body section and the insert/mount sections, the core material embedded in the longitudinal direction in an area on the back of the spoiler main body section where the plurality of insert/mount sections are to be joined.

14. The bumper spoiler according to claim 1, wherein the plurality of fixing sections are formed on one of upper and lower sides of the respective insert/mount sections; and,

when the spoiler is attached to the bumper, the plurality of fixing sections are elastic in a direction moving away from the plurality of insert/mount sections, thereby enabling the plurality of insert/mount sections to be pressed against corresponding areas on the bumper.

15. A method of producing a bumper spoiler to be mounted on a bumper of a vehicle, wherein the bumper spoiler includes: a bumper spoiler main body section to be disposed to orient toward a roadbed on which the vehicle travels, when mounted on the bumper; a plurality of insert/mount sections each formed

on a back of the spoiler main body section integrally therewith  
to protrude rearward of the vehicle; and a plurality of  
fixing sections integrally formed on the plurality of  
insert/mount sections respectively and each protruding from  
5 a position between the bumper spoiler main body section and  
a rear end of each of the insert/mount section to be fixed to  
the bumper, the method comprising:

extruding a long member formed so as to assume a constant  
cross-sectional profile, the long member including the spoiler  
10 main body section integrated with a preliminary insert/mount  
section formation section and a preliminary fixing section  
formation section, continuously in a longitudinal direction;  
and

removing a part of the preliminary insert/mount section  
15 formation sections and the preliminary fixing section formation  
sections from the long member so as to leave the plurality of  
insert/mount sections and the plurality of fixing sections  
spaced at predetermined intervals.

20 16. The method of producing a bumper spoiler according to  
claim 15,

wherein, in the removing step, the part of the preliminary  
insert/mount section formation section is removed such that  
base-section-portion of the plurality of insert/mount sections  
25 are left continuously in the longitudinal direction, thereby

forming a fitting base section to be fitted to the bumper on the back of the spoiler main body section extending in the longitudinal direction.

5 17. A bumper structure of a vehicle, comprising:

a bumper of the vehicle; and

a bumper spoiler attached to the bumper;

wherein the bumper includes a mount portion formed in a transverse direction of the vehicle, and a plurality of mount  
10 holes formed at predetermined intervals in the transverse direction of the vehicle, penetrating through the mount portion; and

the bumper spoiler includes: a bumper spoiler main body section to be disposed to orient in substantially a vertical  
15 direction when mounted on the bumper, a plurality of insert/mount sections each formed on a back of the spoiler main body section integrally therewith portion to protrude rearward of the vehicle, and a plurality of fixing sections integrally formed on the plurality of insert/mount sections respectively and each  
20 protruding from a position between the bumper spoiler main body section and a rear end of each of the insert/mount section to be fixed to the vicinities of the plurality of mount holes.

18. The bumper structure according to claim 17, wherein a  
25 transverse dimension of the mount hole is made greater than

a longitudinal width of a base section of the insert/mount section.